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10 July 1961

MEMORANDUM FOR THE RECORD

SUBJECT : Changes in Orders for IBM 1401 - 1410 Systems

1. Attached is a copy of a memorandum for Chief, General Purchase Branch, PD/OL, requesting changes in the IBM 1401-1410 Systems. Para. 1 requests that the tape drives being used by these two systems be interchangeable in any combination between the two systems. This gives us the ability to switch any or all of the tape drives from system to system, depending upon the program being run.

2. The tape drive on the 1410 will be mainly used to write out back-up tape and to put out hits during the search of the locator system. This takes only a fraction of the time it is available. This unit thus becomes available to the 1401 system as a supplementary input tape during processing. Sorting routines devised for the 1401 can also be switched to the 1410 with its greater internal processing speed, increasing our tape sorting capabilities. Any programs designed for the 1401 that might be switched to the 1410 will contain a "branch on inquiry" command so that the remote inquiry to the disk files from the Document Reference Section will be available at all times.

3. The cost of this tape switching system for 5 tapes and the control unit will be about \$500 per month, which is \$200 less than the addition of one tape drive to either system. This tape switching capability will also mean that it will not be necessary to install a 1403 printer on the 1410 system in the foreseeable future.

4. The 1401 Expanded Alphabet 60-Character Print Chain is being designed so that index cards may be written on the 1403 printer and not require the use of a Copyflo machine to make copies for headquarters and field. This will have many advantages in the index system. It will mean that the entire processing of index cards may be done on the 1401 and/or the 1410 system, and that the EAM sorting and arranging time, plus the Copyflo running, cutting, and hand-arranging time can be eliminated.

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5. The use of this special 60-Character Chain will reduce the speed of the 1403 from 600 lines a minute to 500 lines a minute. This reduction, however, will only be effective during the printing of index cards as the interchangeable chain cartridge adapter and the intermix switch will allow us to return to the normal 48 character chain for other jobs. From rough prices given me by IBM representatives, the one-time charge on this change should be about \$2,000. The monthly rental for the system will increase approximately \$215.



DDF/PMJ

25X1A

Attachment - a/s

cc: C/RID, w/att.
C/CIA/ADPS/DDS, w/att.

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